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I hereby certify that I have caused the documents indicated below to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR § 1.10 on the date indicated above and are addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 and mailed on the above Date of Mailing with the above "Express Mail" mailing label number

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Box PATENT APPLICATION
Assistant Commissioner for Patents
P.O. Box 2327
Arlington, VA 22202

DOCKET NUMBER: 8571:19
DATE: November 26, 2001

Sir:

Transmitted herewith for filing is the Patent Application of:

Inventors: Marc Dubois (Clifton Park, New York); Peter William Lorraine (Niskayuna, New York);
Robert John Filkins (Niskayuna, New York); and Thomas E. Drake (Fort Worth, Texas)
For: **Method to Characterize Material Using Mathematical Propagation Models and Ultrasonic Signal**

Enclosed are:

- ☒ Patent Specification (spec. 28 pages; claims 9 pages; abstract 1 page)
- ☒ Eleven (11) sheets of formal drawing(s).
- ☒ Declaration and Power of Attorney (4 pages)
- ☒ 1. Recordation Form Cover Sheet and an Assignment of the invention by inventors Marc Dubois, Peter W. Lorraine, and Robert J. Filkins (5 pages) to General Electric Company;
- ☒ 2. Recordation Form Cover Sheet and an Assignment of the invention by General Electric Company (2pages) to Lockheed Martin Corporation;
- ☒ 3. Recordation Form Cover Sheet and an Assignment of the invention by inventor Thomas E. Drake (3 pages) to Lockheed Martin Corporation;

The filing fee has been calculated as shown below:

For	Number Filed	Number Extra	Rate	Fee
Basic Fee				\$740.00
Total Claims	41-20	21	x \$18 =	\$378.00
Indep. Claims	8-3	5	x \$84 =	\$420.00
Multiple Dep. Claims Presented			x \$260 =	0
Recordation of Assignment filing fee	3		x \$40	\$120.00
			TOTAL	\$1658.00

- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 50-1343. A duplicate copy of this sheet is enclosed.
- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☐ Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

By:

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